

- pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 4-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 5-methyl-; 2,4-heptanediol, 5-methyl-; 2,5-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 2,6-octanediol; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; 2,5-hexanediol, 3,3,5-trimethyl-;
- B. ether solvent selected from the group consisting of: 1,2-propanediol, 3-(2-pentyloxy)-; 1,2-propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1-butyloxy)-; 1,2-propanediol, 3-(iso-amyl-oxy)-; 1,2-propanediol, 3-(3-methyl-2-butyloxy)-; 1,2-propanediol, 3-(cyclohexyloxy)-; 1,2-propanediol, 3-(1-cyclohex-1-enyloxy)-; 1,3-propanediol, 2-(pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol, 2-(3-pentyloxy)-; 1,3-propanediol, 2-(2-methyl-1-butyloxy)-; 1,3-propanediol, 2-(iso-amyl-oxy)-; 1,3-propanediol, 2-(3-methyl-2-butyloxy)-; 1,3-propanediol, 2-(cyclohexyloxy)-; 1,3-propanediol, 2-(1-cyclohex-1-enyloxy)-; 1,2-propanediol, 3-(butyloxy)-, triethoxylated; 1,2-propanediol, 3-(butyloxy)-, tetraethoxylated; 1,2-propanediol, 3-(butyloxy)-, pentaethoxylated; 1,2-propanediol, 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-, heptaethoxylated; 1,2-propanediol, 3-(butyloxy)-, octaethoxylated; 1,2-propanediol, 3-(butyloxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2-propanediol, 3-(butyloxy)-, tributyleneoxylated; bis(2-hydroxybutyl)ether; and bis(2-hydroxycyclopentyl)ether;

C. unsaturated compounds which are homologs, or analogs, of the following compounds in which each homolog, or analog, contains at least one additional CH_2 group and the total number of hydrogen atoms is kept the same by inserting one double bond for each additional CH_2 group:

- I. n-propanol;
- II. 2-butanol and/or 2-methyl-2-propanol;
- III. 2,3-butanediol, 2,3-dimethyl-; 1,2-butanediol, 2,3-dimethyl-; 2,3-pentanediol, 2-methyl-; 2,3-pentanediol, 3-methyl-; 2,3-pentanediol, 4-methyl-; 2,3-hexanediol; 3,4-hexanediol; 1,2-butanediol, 2-ethyl-; 1,2-pentanediol, 2-methyl-; 1,2-pentanediol, 3-methyl-; 1,2-pentanediol, 4-methyl-; and/or 1,2-hexanediol;
- IV. 1,3-propanediol, 2-butyl-; 1,3-propanediol, 2,2-diethyl-; 1,3-propanediol, 2-(1-methylpropyl)-; 1,3-propanediol, 2-(2-methylpropyl)-; 1,3-propanediol, 2-methyl-2-propyl-; 1,2-butanediol, 2,2,3-trimethyl-; 1,4-butanediol, 2-ethyl-2-methyl-; 1,4-butanediol, 2-ethyl-3-methyl-; 1,4-butanediol, 2-propyl-; 1,4-butanediol, 2-isopropyl-; 1,5-pentanediol, 2,2-dimethyl-; 1,5-pentanediol, 2,3-dimethyl-; 1,5-pentanediol, 2,4-dimethyl-; 1,5-pentanediol, 3,3-dimethyl-; 2,3-pentanediol, 2,3-dimethyl-; 2,3-pentanediol, 2,4-dimethyl-; 2,3-pentanediol, 3,4-dimethyl-; 2,3-pentanediol, 4,4-dimethyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,5-pentanediol, 2-ethyl-; 1,6-hexanediol, 2-methyl-; 1,6-hexanediol, 3-methyl-; 2,3-hexanediol, 2-methyl-; 2,3-hexanediol, 3-methyl-; 2,3-hexanediol, 4-methyl-; 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-hexanediol, 3-methyl-; 1,3-heptanediol; 1,4-; heptanediol; 1,5-heptanediol; and/or 1,6-heptanediol;
- V. 1,3-propanediol, 2-(2-methylbutyl)-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; 1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(1-ethylpropyl)-; 1,3-propanediol, 2-(1-methylbutyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-propanediol, 2-(3-methylbutyl)-; 1,3-propanediol, 2-butyl-2-methyl-; 1,3-propanediol, 2-ethyl-2-isopropyl-; 1,3-propanediol, 2-ethyl-2-propyl-; 1,3-propanediol, 2-methyl-2-(1-methylpropyl)-; 1,3-propanediol, 2-methyl-2-(2-methylpropyl)-; 1,3-propanediol, 2-tertiary-butyl-2-methyl-; 1,3-butanediol, 2,2-diethyl-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-butyl-; 1,3-butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(1,1-dimethylethyl)-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 2-methyl-2-propyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(1,1-dimethylethyl)-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-butanediol, 2-methyl-3-propyl-; 1,4-butanediol, 3-methyl-2-isopropyl-; 1,3-pentanediol,

2,2,3-trimethyl-; 1,3-pentanediol, 2,2,4-trimethyl-; 1,3-pentanediol, 2,3,4-trimethyl-; 1,3-pentanediol, 2,4,4-trimethyl-; 1,3-pentanediol, 3,4,4-trimethyl-; 1,4-pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, 2,2,4-trimethyl-; 1,4-pentanediol, 2,3,3-trimethyl-; 1,4-pentanediol, 3,3,4-trimethyl-; 1,5-pentanediol, 2,2,3-trimethyl-; 1,5-pentanediol, 2,2,4-trimethyl-; 1,5-pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,3,4-trimethyl-; 2,4-pentanediol, 2,3,3-trimethyl-; 2,4-pentanediol, 2,3,4-trimethyl-; 1,3-pentanediol, 2-ethyl-2-methyl-; 1,3-pentanediol, 2-ethyl-3-methyl-; 1,3-pentanediol, 2-ethyl-4-methyl-; 1,3-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-methyl-; 1,4-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 1,5-pentanediol, 3-ethyl-3-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 1,5-pentanediol, 2-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,2-dimethyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,4-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 2,5-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 5,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 2,3-dimethyl-; 1,5-hexanediol, 2,4-dimethyl-; 1,5-hexanediol, 2,5-dimethyl-; 1,5-hexanediol, 3,3-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,2-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 2,5-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 1,6-hexanediol, 3,4-dimethyl-; 2,4-hexanediol, 2,3-dimethyl-; 2,4-hexanediol, 2,4-dimethyl-; 2,4-hexanediol, 2,5-dimethyl-; 2,4-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 3,4-dimethyl-; 2,4-hexanediol, 3,5-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,4-hexanediol, 5,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 2,5-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,5-hexanediol, 3,4-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 4-ethyl-; 1,3-hexanediol, 4-ethyl-; 1,4-hexanediol, 2-ethyl-; 1,4-hexanediol, 4-ethyl-; 1,5-hexanediol, 2-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,4-hexanediol, 4-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 2-methyl-; 1,3-heptanediol, 3-methyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,4-heptanediol, 2-methyl-; 1,4-heptanediol, 3-methyl-;

1,4-heptanediol, 4-methyl-; 1,4-heptanediol, 5-methyl-; 1,4-heptanediol, 6-methyl-; 1,5-heptanediol, 2-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,5-heptanediol, 5-methyl-; 1,5-heptanediol, 6-methyl-; 1,6-heptanediol, 2-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 4-methyl-; 1,6-heptanediol, 5-methyl-; 1,6-heptanediol, 6-methyl-; 2,4-heptanediol, 2-methyl-; 2,4-heptanediol, 3-methyl-; 2,4-heptanediol, 4-methyl-; 2,4-heptanediol, 5-methyl-; 2,4-heptanediol, 6-methyl-; 2,5-heptanediol, 2-methyl-; 2,5-heptanediol, 3-methyl-; 2,5-heptanediol, 4-methyl-; 2,5-heptanediol, 5-methyl-; 2,5-heptanediol, 6-methyl-; 2,6-heptanediol, 2-methyl-; 2,6-heptanediol, 3-methyl-; 2,6-heptanediol, 4-methyl-; 3,4-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 3,5-heptanediol, 3-methyl-; 3,5-heptanediol, 4-methyl-; 2,4-octanediol; 2,5-octanediol; 2,6-octanediol; 2,7-octanediol; 3,5-octanediol; and/or 3,6-octanediol;

VI. 2,4-pentanediol, 2,3,3,4-tetramethyl-; 2,4-pentanediol, 3-tertiarybutyl-; 2,4-hexanediol, 2,5,5-trimethyl-; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,3,5-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; and/or 2,5-hexanediol, 3,3,5-trimethyl-;

VII. Alkoxyated derivatives of C₃₋₈ diols selected from the group consisting of:

1. 1,2-propanediol 2(Me-polyethoxy₁₋₄); 1,2-propanediol polypropoxy₄; 1,2-propanediol, 2-methyl- (Me-polyethoxy₄₋₁₀); 1,2-propanediol, 2-methyl- 2(Me-polyethoxy₁); 1,2-propanediol, 2-methyl- polypropoxy₃; 1,2-propanediol, 2-methyl- polybutoxy₁; 1,3-propanediol 2(Me-polyethoxy₆₋₈); 1,3-propanediol polypropoxy₅₋₆; 1,3-propanediol, 2,2-dichethyl- polyethoxy₁₋₇; 1,3-propanediol, 2,2-diethyl- polypropoxy₁; 1,3-propanediol, 2,2-diethyl- n-polybutoxy₁₋₂; 1,3-propanediol, 2,2-dimethyl- polypropoxy₃₋₄; 1,3-propanediol, 2-(1-methylpropyl)- polyethoxy₁₋₇; 1,3-propanediol, 2-(1-methylpropyl)- polypropoxy₁; 1,3-propanediol, 2-(1-methylpropyl)- n-polybutoxy₁₋₂; 1,3-propanediol, 2-(2-methylpropyl)- polyethoxy₁₋₇; 1,3-propanediol, 2-(2-methylpropyl)- polypropoxy₁; 1,3-propanediol, 2-(2-methylpropyl)- n-polybutoxy₁₋₂; 1,3-propanediol, 2-ethyl- (Me-polyethoxy₆₋₁₀); 1,3-propanediol, 2-ethyl- 2(Me-polyethoxy₁); 1,3-propanediol, 2-ethyl- polypropoxy₃; 1,3-propanediol, 2-ethyl-2-methyl- (Me-polyethoxy₁₋₆); 1,3-propanediol, 2-ethyl-2-methyl- polypropoxy₂; 1,3-propanediol, 2-ethyl-2-methyl- polybutoxy₁; 1,3-propanediol, 2-isopropyl- (Me-polyethoxy₁₋₆); 1,3-propanediol, 2-isopropyl- polypropoxy₂; 1,3-propanediol, 2-isopropyl- polybutoxy₁; 1,3-propanediol, 2-methyl- 2(Me-polyethoxy₂₋₅); 1,3-propanediol, 2-methyl-

- polypropoxy4-5; 1,3-propanediol, 2-methyl- polybutoxy2; 1,3-propanediol, 2-methyl-2-isopropyl- polyethoxy2-9; 1,3-propanediol, 2-methyl-2-isopropyl- polypropoxy1; 1,3-propanediol, 2-methyl-2-isopropyl- n-polybutoxy1-3; 1,3-propanediol, 2-methyl-2-propyl- polyethoxy1-7; 1,3-propanediol, 2-methyl-2-propyl- polypropoxy; 1,3-propanediol, 2-methyl-2-propyl- n-polybutoxy1-2; 1,3-propanediol, 2-propyl- (Me polyethoxy1-4); 1,3-propanediol, 2-propyl- polypropoxy2; 1,3-propanediol, 2-propyl- polybutoxy1;
2. 1,2-butanediol (Me polyethoxy2-8); 1,2-butanediol polypropoxy2-3; 1,2-butanediol polybutoxy1; 1,2-butanediol, 2,3-dimethyl- polyethoxy1-6; 1,2-butanediol, 2,3-dimethyl- n-polybutoxy1-2; 1,2-butanediol, 2-ethyl- polyethoxy1-3; 1,2-butanediol, 2-ethyl- n-polybutoxy1; 1,2-butanediol, 2-methyl- (Me polyethoxy1-2); 1,2-butanediol, 2-methyl- polypropoxy1; 1,2-butanediol, 3,3-dimethyl- polyethoxy1-6; 1,2-butanediol, 3,3-dimethyl- n-polybutoxy1-2; 1,2-butanediol, 3-methyl- (Me polyethoxy1-2); 1,2-butanediol, 3-methyl- polypropoxy1; 1,3-butanediol 2(Me polyethoxy3-6); 1,3-butanediol polypropoxy5; 1,3-butanediol polybutoxy2; 1,3-butanediol, 2,2,3-trimethyl- (Me polyethoxy1-3); 1,3-butanediol, 2,2,3-trimethyl- polypropoxy1-2; 1,3-butanediol, 2,2-dimethyl- (Me polyethoxy3-8); 1,3-butanediol, 2,2-dimethyl- polypropoxy3; 1,3-butanediol, 2,3-dimethyl- (Me polyethoxy3-8); 1,3-butanediol, 2,3-dimethyl- polypropoxy3; 1,3-butanediol, 2-ethyl- (Me polyethoxy1-6); 1,3-butanediol, 2-ethyl- polypropoxy2-3; 1,3-butanediol, 2-ethyl- polybutoxy1; 1,3-butanediol, 2-ethyl-2-methyl- (Me polyethoxy1); 1,3-butanediol, 2-ethyl-2-methyl- polypropoxy1; 1,3-butanediol, 2-ethyl-2-methyl- n-polybutoxy2-4; 1,3-butanediol, 2-ethyl-3-methyl- (Me polyethoxy1); 1,3-butanediol, 2-ethyl-3-methyl- polypropoxy1; 1,3-butanediol, 2-ethyl-3-methyl- n-polybutoxy2-4; 1,3-butanediol, 2-isopropyl- (Me polyethoxy1); 1,3-butanediol, 2-isopropyl- polypropoxy1; 1,3-butanediol, 2-isopropyl- n-polybutoxy2-4; 1,3-butanediol, 2-methyl- 2(Me polyethoxy1-3); 1,3-butanediol, 2-methyl- polypropoxy4; 1,3-butanediol, 2-propyl- polyethoxy2-9; 1,3-butanediol, 2-propyl- polypropoxy1; 1,3-butanediol, 2-propyl- n-polybutoxy1-3; 1,3-butanediol, 3-methyl- 2(Me polyethoxy1-3); 1,3-butanediol, 3-methyl- polypropoxy4; 1,4-butanediol 2(Me polyethoxy2-4); 1,4-butanediol polypropoxy4-5; 1,4-butanediol polybutoxy2; 1,4-butanediol, 2,2,3-trimethyl- polyethoxy2-9; 1,4-butanediol, 2,2,3-trimethyl- polypropoxy1; 1,4-butanediol, 2,2,3-trimethyl- n-polybutoxy1-3; 1,4-butanediol, 2,2-dimethyl- (Me polyethoxy1-6); 1,4-butanediol, 2,2-dimethyl- polypropoxy2; 1,4-butanediol, 2,2-dimethyl- polybutoxy1; 1,4-butanediol,

2,3-dimethyl- (Me polyethoxy₁₋₆); 1,4-butanediol, 2,3-dimethyl-
polypropoxy₂; 1,4-butanediol, 2,3-dimethyl- polybutoxy₁; 1,4-butanediol,
2-ethyl- (Me polyethoxy₁₋₄); 1,4-butanediol, 2-ethyl- polypropoxy₂; 1,4-
butanediol, 2-ethyl- polybutoxy₁; 1,4-butanediol, 2-ethyl-2-methyl-
polyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-2-methyl- polypropoxy₁; 1,4-
butanediol, 2-ethyl-2-methyl- n-polybutoxy₁₋₂; 1,4-butanediol, 2-ethyl-3-
methyl- polyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-3-methyl- polypropoxy₁;
1,4-butanediol, 2-ethyl-3-methyl- n-polybutoxy₁₋₂; 1,4-butanediol, 2-
isopropyl- polyethoxy₁₋₇; 1,4-butanediol, 2-isopropyl- polypropoxy₁;
1,4-butanediol, 2-isopropyl- n-polybutoxy₁₋₂; 1,4-butanediol, 2-methyl-
(Me polyethoxy₆₋₁₀); 1,4-butanediol, 2-methyl- 2(Me polyethoxy₁); 1,4-
butanediol, 2-methyl- polypropoxy₃; 1,4-butanediol, 2-methyl-
polybutoxy₁; 1,4-butanediol, 2-propyl- polyethoxy₁₋₅; 1,4-butanediol, 2-
propyl- n-polybutoxy₁₋₂; 1,4-butanediol, 3-ethyl-1-methyl- polyethoxy₂.
9; 1,4-butanediol, 3-ethyl-1-methyl- polypropoxy₁; 1,4-butanediol, 3-
ethyl-1-methyl- n-polybutoxy₁₋₃; 2,3-butanediol (Me polyethoxy₆₋₁₀);
2,3-butanediol 2(Me polyethoxy₁); 2,3-butanediol polypropoxy₃₋₄; 2,3-
butanediol polybutoxy₁; 2,3-butanediol, 2,3-dimethyl- polyethoxy₃₋₉;
2,3-butanediol, 2,3-dimethyl- polypropoxy₁; 2,3-butanediol, 2,3-dimethyl-
n-polybutoxy₁₋₃; 2,3-butanediol, 2-methyl- (Me polyethoxy₁₋₅); 2,3-
butanediol, 2-methyl- polypropoxy₂; 2,3-butanediol, 2-methyl-
polybutoxy₁;
3. 1,2-pentanediol polyethoxy₃₋₁₀; 1,2-pentanediol, polypropoxy₁; 1,2-
pentanediol, n-polybutoxy₂₋₃; 1,2-pentanediol, 2-methyl polyethoxy₁₋₃;
1,2-pentanediol, 2-methyl n-polybutoxy₁; 1,2-pentanediol, 2-methyl
polybutoxy₁; 1,2-pentanediol, 3-methyl polyethoxy₁₋₃; 1,2-pentanediol,
3-methyl n-polybutoxy₁; 1,2-pentanediol, 4-methyl polyethoxy₁₋₃; 1,2-
pentanediol, 4-methyl n-polybutoxy₁; 1,3-pentanediol 2(Me-polyethoxy₁₋₂);
1,3-pentanediol polypropoxy₃₋₄; 1,3-pentanediol, 2,2-dimethyl- (Me-
polyethoxy₁); 1,3-pentanediol, 2,2-dimethyl- polypropoxy₁; 1,3-
pentanediol, 2,2-dimethyl- n-polybutoxy₂₋₄; 1,3-pentanediol, 2,3-
dimethyl- (Me-polyethoxy₁); 1,3-pentanediol, 2,3-dimethyl-
polypropoxy₁; 1,3-pentanediol, 2,3-dimethyl- n-polybutoxy₂₋₄; 1,3-
pentanediol, 2,4-dimethyl- (Me-polyethoxy₁); 1,3-pentanediol, 2,4-
dimethyl- polypropoxy₁; 1,3-pentanediol, 2,4-dimethyl- n-polybutoxy₂₋₄;
1,3-pentanediol, 2-ethyl- polyethoxy₂₋₉; 1,3-pentanediol, 2-ethyl-
polypropoxy₁; 1,3-pentanediol, 2-ethyl- n-polybutoxy₁₋₃; 1,3-
pentanediol, 2-methyl- 2(Me-polyethoxy₁₋₆); 1,3-pentanediol, 2-methyl-
polypropoxy₂₋₃; 1,3-pentanediol, 2-methyl- polybutoxy₁; 1,3-pentanediol,
3,4-dimethyl- (Me-polyethoxy₁); 1,3-pentanediol, 3,4-dimethyl-

polypropoxy₁; 1,3-pentanediol, 3,4-dimethyl- n-polybutoxy_{2,4}; 1,3-pentanediol, 3-methyl- (Me-polyethoxy_{1,6}); 1,3-pentanediol, 3-methyl-polypropoxy_{2,3}; 1,3-pentanediol, 3-methyl- polybutoxy₁; 1,3-pentanediol, 4,4-dimethyl- (Me-polyethoxy₁); 1,3-pentanediol, 4,4-dimethyl-polypropoxy₁; 1,3-pentanediol, 4,4-dimethyl- n-polybutoxy_{2,4}; 1,3-pentanediol, 4-methyl- (Me-polyethoxy_{1,6}); 1,3-pentanediol, 4-methyl-polypropoxy_{2,3}; 1,3-pentanediol, 4-methyl- polybutoxy₁; 1,4-pentanediol, 2(Me-polyethoxy_{1,2}); 1,4-pentanediol polypropoxy_{3,4}; 1,4-pentanediol, 2,2-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 2,2-dimethyl-polypropoxy₁; 1,4-pentanediol, 2,2-dimethyl- n-polybutoxy_{2,4}; 1,4-pentanediol, 2,3-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 2,3-dimethyl- polypropoxy₁; 1,4-pentanediol, 2,3-dimethyl- n-polybutoxy_{2,4}; 1,4-pentanediol, 2,4-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 2,4-dimethyl- polypropoxy₁; 1,4-pentanediol, 2,4-dimethyl- n-polybutoxy_{2,4}; 1,4-pentanediol, 2-methyl- (Me-polyethoxy_{1,6}); 1,4-pentanediol, 2-methyl- polypropoxy_{2,3}; 1,4-pentanediol, 2-methyl- polybutoxy₁; 1,4-pentanediol, 3,3-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 3,3-dimethyl- polypropoxy₁; 1,4-pentanediol, 3,3-dimethyl- n-polybutoxy_{2,4}; 1,4-pentanediol, 3,4-dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 3,4-dimethyl- polypropoxy₁; 1,4-pentanediol, 3,4-dimethyl- n-polybutoxy_{2,4}; 1,4-pentanediol, 3-methyl- 2(Me-polyethoxy_{1,6}); 1,4-pentanediol, 3-methyl- polypropoxy_{2,3}; 1,4-pentanediol, 3-methyl- polybutoxy₁; 1,4-pentanediol, 4-methyl- 2(Me-polyethoxy_{1,6}); 1,4-pentanediol, 4-methyl-polypropoxy_{2,3}; 1,4-pentanediol, 4-methyl- polybutoxy₁; 1,5-pentanediol, (Me-polyethoxy_{4,10}); 1,5-pentanediol 2(Me-polyethoxy₁); 1,5-pentanediol polypropoxy₃; 1,5-pentanediol, 2,2-dimethyl- polyethoxy_{1,7}; 1,5-pentanediol, 2,2-dimethyl- polypropoxy₁; 1,5-pentanediol, 2,2-dimethyl- n-polybutoxy_{1,2}; 1,5-pentanediol, 2,3-dimethyl- polyethoxy_{1,7}; 1,5-pentanediol, 2,3-dimethyl- polypropoxy₁; 1,5-pentanediol, 2,3-dimethyl- n-polybutoxy_{1,2}; 1,5-pentanediol, 2,4-dimethyl- polyethoxy_{1,7}; 1,5-pentanediol, 2,4-dimethyl- polypropoxy₁; 1,5-pentanediol, 2,4-dimethyl- n-polybutoxy_{1,2}; 1,5-pentanediol, 2-ethyl- polyethoxy_{1,5}; 1,5-pentanediol, 2-ethyl- n-polybutoxy_{1,2}; 1,5-pentanediol, 2-methyl- (Me-polyethoxy_{1,4}); 1,5-pentanediol, 2-methyl- polypropoxy₂; 1,5-pentanediol, 3,3-dimethyl- polyethoxy_{1,7}; 1,5-pentanediol, 3,3-dimethyl-polypropoxy₁; 1,5-pentanediol, 3,3-dimethyl- n-polybutoxy_{1,2}; 1,5-pentanediol, 3-methyl- (Me-polyethoxy_{1,4}); 1,5-pentanediol, 3-methyl-polypropoxy₂; 2,3-pentanediol, (Me-polyethoxy_{1,3}); 2,3-pentanediol, polypropoxy₂; 2,3-pentanediol, 2-methyl- polyethoxy_{1,7}; 2,3-pentanediol, 2-methyl- polypropoxy₁; 2,3-pentanediol, 2-methyl- n-polybutoxy_{1,2};

- 2,3-pentanediol, 3-methyl- polyethoxy₁₋₇; 2,3-pentanediol, 3-methyl- polypropoxy₁; 2,3-pentanediol, 3-methyl- n-polybutoxy₁₋₂; 2,3-pentanediol, 4-methyl- polyethoxy₁₋₇; 2,3-pentanediol, 4-methyl- polypropoxy₁; 2,3-pentanediol, 4-methyl- n-polybutoxy₁₋₂; 2,4-pentanediol, 2(Me-polyethoxy₁₋₄); 2,4-pentanediol polypropoxy₄; 2,4-pentanediol, 2,3-dimethyl- (Me-polyethoxy₁₋₄); 2,4-pentanediol, 2,3-dimethyl- polypropoxy₂; 2,4-pentanediol, 2,4-dimethyl- (Me-polyethoxy₁₋₄); 2,4-pentanediol, 2,4-dimethyl- polypropoxy₂; 2,4-pentanediol, 2-methyl- (Me-polyethoxy₅₋₁₀); 2,4-pentanediol, 2-methyl- polypropoxy₃; 2,4-pentanediol, 3,3-dimethyl- (Me-polyethoxy₁₋₄); 2,4-pentanediol, 3,3-dimethyl- polypropoxy₂; 2,4-pentanediol, 3-methyl- (Me-polyethoxy₅₋₁₀); 2,4-pentanediol, 3-methyl- polypropoxy₃;
4. 1,3-hexanediol (Me-polyethoxy₁₋₅); 1,3-hexanediol polypropoxy₂; 1,3-hexanediol polybutoxy₁; 1,3-hexanediol, 2-methyl- polyethoxy₂₋₉; 1,3-hexanediol, 2-methyl- polypropoxy₁; 1,3-hexanediol, 2-methyl- n-polybutoxy₁₋₃; 1,3-hexanediol, 2-methyl- polybutoxy₁; 1,3-hexanediol, 3-methyl- polyethoxy₂₋₉; 1,3-hexanediol, 3-methyl- polypropoxy₁; 1,3-hexanediol, 3-methyl- n-polybutoxy₁₋₃; 1,3-hexanediol, 4-methyl- polyethoxy₂₋₉; 1,3-hexanediol, 4-methyl- polypropoxy₁; 1,3-hexanediol, 4-methyl- n-polybutoxy₁₋₃; 1,3-hexanediol, 5-methyl- polyethoxy₂₋₉; 1,3-hexanediol, 5-methyl- polypropoxy₁; 1,3-hexanediol, 5-methyl- n-polybutoxy₁₋₃; 1,4-hexanediol (Me-polyethoxy₁₋₅); 1,4-hexanediol polypropoxy₂; 1,4-hexanediol polybutoxy₁; 1,4-hexanediol, 2-methyl- polyethoxy₂₋₉; 1,4-hexanediol, 2-methyl- polypropoxy₁; 1,4-hexanediol, 2-methyl- n-polybutoxy₁₋₃; 1,4-hexanediol, 3-methyl- polyethoxy₂₋₉; 1,4-hexanediol, 3-methyl- polypropoxy₁; 1,4-hexanediol, 3-methyl- n-polybutoxy₁₋₃; 1,4-hexanediol, 4-methyl- polyethoxy₂₋₉; 1,4-hexanediol, 4-methyl- polypropoxy₁; 1,4-hexanediol, 4-methyl- n-polybutoxy₁₋₃; 1,4-hexanediol, 5-methyl- polyethoxy₂₋₉; 1,4-hexanediol, 5-methyl- polypropoxy₁; 1,4-hexanediol, 5-methyl- n-polybutoxy₁₋₃; 1,5-hexanediol (Me-polyethoxy₁₋₅); 1,5-hexanediol polypropoxy₂; 1,5-hexanediol polybutoxy₁; 1,5-hexanediol, 2-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 2-methyl- polypropoxy₁; 1,5-hexanediol, 2-methyl- n-polybutoxy₁₋₃; 1,5-hexanediol, 3-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 3-methyl- polypropoxy₁; 1,5-hexanediol, 3-methyl- n-polybutoxy₁₋₃; 1,5-hexanediol, 4-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 4-methyl- polypropoxy₁; 1,5-hexanediol, 4-methyl- n-polybutoxy₁₋₃; 1,5-hexanediol, 5-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 5-methyl- polypropoxy₁; 1,5-hexanediol, 5-methyl- n-polybutoxy₁₋₃; 1,6-hexanediol (Me-polyethoxy₁₋₂); 1,6-hexanediol polypropoxy₁₋₂; 1,6-hexanediol n-

- polybutoxy₄; 1,6-hexanediol, 2-methyl- polyethoxy₁₋₅; 1,6-hexanediol, 2-methyl- n-polybutoxy₁₋₂; 1,6-hexanediol, 3-methyl- polyethoxy₁₋₅; 1,6-hexanediol, 3-methyl- n-polybutoxy₁₋₂; 2,3-hexanediol polyethoxy₁₋₅; 2,3-hexanediol n-polybutoxy₁; 2,3-hexanediol polybutoxy₁; 2,4-hexanediol (Me-polyethoxy₃₋₈); 2,4-hexanediol polypropoxy₃; 2,4-hexanediol, 2-methyl- (Me-polyethoxy₁₋₂); 2,4-hexanediol 2-methyl-polypropoxy₁₋₂; 2,4-hexanediol, 3-methyl- (Me-polyethoxy₁₋₂); 2,4-hexanediol 3-methyl- polypropoxy₁₋₂; 2,4-hexanediol, 4-methyl- (Me-polyethoxy₁₋₂); 2,4-hexanediol 4-methyl- polypropoxy₁₋₂; 2,4-hexanediol, 5-methyl- (Me-polyethoxy₁₋₂); 2,4-hexanediol 5-methyl-polypropoxy₁₋₂; 2,5-hexanediol (Me-polyethoxy₃₋₈); 2,5-hexanediol polypropoxy₃; 2,5-hexanediol, 2-methyl- (Me-polyethoxy₁₋₂); 2,5-hexanediol 2-methyl- polypropoxy₁₋₂; 2,5-hexanediol, 3-methyl- (Me-polyethoxy₁₋₂); 2,5-hexanediol 3-methyl- polypropoxy₁₋₂; 3,4-hexanediol polyethoxy₁₋₅; 3,4-hexanediol n-polybutoxy₁; 3,4-hexanediol polybutoxy₁;
5. 1,3-heptanediol polyethoxy₁₋₇; 1,3-heptanediol polypropoxy₁; 1,3-heptanediol n-polybutoxy₁₋₂; 1,4-heptanediol polyethoxy₁₋₇; 1,4-heptanediol polypropoxy₁; 1,4-heptanediol n-polybutoxy₁₋₂; 1,5-heptanediol polyethoxy₁₋₇; 1,5-heptanediol polypropoxy₁; 1,5-heptanediol n-polybutoxy₁₋₂; 1,6-heptanediol polyethoxy₁₋₇; 1,6-heptanediol polypropoxy₁; 1,6-heptanediol n-polybutoxy₁₋₂; 1,7-heptanediol polyethoxy₁₋₂; 1,7-heptanediol n-polybutoxy₁; 2,4-heptanediol polyethoxy₃₋₁₀; 2,4-heptanediol (Me-polyethoxy₁); 2,4-heptanediol polypropoxy₁; 2,4-heptanediol n-polybutoxy₃; 2,5-heptanediol polyethoxy₃₋₁₀; 2,5-heptanediol (Me-polyethoxy₁); 2,5-heptanediol polypropoxy₁; 2,5-heptanediol n-polybutoxy₃; 2,6-heptanediol polyethoxy₃₋₁₀; 2,6-heptanediol (Me-polyethoxy₁); 2,6-heptanediol polypropoxy₁; 2,6-heptanediol n-polybutoxy₃; 3,5-heptanediol polyethoxy₃₋₁₀; 3,5-heptanediol (Me-polyethoxy₁); 3,5-heptanediol polypropoxy₁; 3,5-heptanediol n-polybutoxy₃;
6. 1,3-butanediol, 3-methyl-2-isopropyl- polypropoxy₁; 2,4-pentanediol, 2,3,3-trimethyl- polypropoxy₁; 1,3-butanediol, 2,2-diethyl- polyethoxy₂₋₅; 2,4-hexanediol, 2,3-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 2,4-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 2,5-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 3,3-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 3,4-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 3,5-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 4,5-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 5,5-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 2,3-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 2,4-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 2,5-

dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 3,3-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 3,4-dimethyl- polyethoxy₂₋₅; 3,5-heptanediol, 3-methyl- polyethoxy₂₋₅; 1,3-butanediol, 2,2-diethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 2,4-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 2,5-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 3,4-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 3,5-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 4,5-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 5,5-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 2,4-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 2,5-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 3,4-dimethyl- n-polybutoxy₁₋₂; 3,5-heptanediol, 3-methyl- n-polybutoxy₁₋₂; 1,3-propanediol, 2-(1,2-dimethylpropyl)- n-polybutoxy₁; 1,3-butanediol, 2-ethyl-2,3-dimethyl- n-polybutoxy₁; 1,3-butanediol, 2-methyl-2-isopropyl- n-polybutoxy₁; 1,4-butanediol, 3-methyl-2-isopropyl- n-polybutoxy₁; 1,3-pentanediol, 2,2,3-trimethyl- n-polybutoxy₁; 1,3-pentanediol, 2,2,4-trimethyl- n-polybutoxy₁; 1,3-pentanediol, 2,4,4-trimethyl- n-polybutoxy₁; 1,3-pentanediol, 3,4,4-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,2,3-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,2,4-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,3,3-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,3,4-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 3,3,4-trimethyl- n-polybutoxy₁; 2,4-pentanediol, 2,3,4-trimethyl- n-polybutoxy₁; 2,4-hexanediol, 4-ethyl- n-polybutoxy₁; 2,4-heptanediol, 3-methyl- n-polybutoxy₁; 2,4-heptanediol, 4-methyl- n-polybutoxy₁; 2,4-heptanediol, 5-methyl- n-polybutoxy₁; 2,4-heptanediol, 6-methyl- n-polybutoxy₁; 2,5-heptanediol, 2-methyl- n-polybutoxy₁; 2,5-heptanediol, 3-methyl- n-polybutoxy₁; 2,5-heptanediol, 4-methyl- n-polybutoxy₁; 2,5-heptanediol, 5-methyl- n-polybutoxy₁; 2,5-heptanediol, 6-methyl- n-polybutoxy₁; 2,6-heptanediol, 2-methyl- n-polybutoxy₁; 2,6-heptanediol, 3-methyl- n-polybutoxy₁; 2,6-heptanediol, 4-methyl- n-polybutoxy₁; 3,5-heptanediol, 2-methyl- n-polybutoxy₁; 1,3-propanediol, 2-(1,2-dimethylpropyl)- polyethoxy₁₋₃; 1,3-butanediol, 2-ethyl-2,3-dimethyl- polyethoxy₁₋₃; 1,3-butanediol, 2-methyl-2-isopropyl- polyethoxy₁₋₃; 1,4-butanediol, 3-methyl-2-isopropyl- polyethoxy₁₋₃; 1,3-pentanediol, 2,2,3-trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 2,2,4-trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 2,4,4-trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 3,4,4-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,2,3-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,2,4-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,3,3-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,3,4-trimethyl- polyethoxy₁₋₃.

3; 1,4-pentanediol, 3,3,4-trimethyl- polyethoxy₁₋₃; 2,4-pentanediol, 2,3,4-trimethyl- polyethoxy₁₋₃; 2,4-hexanediol, 4-ethyl- polyethoxy₁₋₃; 2,4-heptanediol, 2-methyl- polyethoxy₁₋₃; 2,4-heptanediol, 3-methyl- polyethoxy₁₋₃; 2,4-heptanediol, 4-methyl- polyethoxy₁₋₃; 2,4-heptanediol, 5-methyl- polyethoxy₁₋₃; 2,4-heptanediol, 6-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 2-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 3-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 4-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 5-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 6-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 2-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 3-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 4-methyl- polyethoxy₁₋₃; and/or 3,5-heptanediol, 2-methyl- polyethoxy₁₋₃;

7. mixtures thereof; and

VIII. aromatic diols selected from the group consisting of: 1-phenyl-1,2-ethanediol; 1-phenyl-1,2-propanediol; 2-phenyl-1,2-propanediol; 3-phenyl-1,2-propanediol; 1-(3-methylphenyl)-1,3-propanediol; 1-(4-methylphenyl)-1,3-propanediol; 2-methyl-1-phenyl-1,3-propanediol; 1-phenyl-1,3-butanediol; 3-phenyl-1,3-butanediol; 1-phenyl-1,4-butanediol; 2-phenyl-1,4-butanediol; and/or 1-phenyl-2,3-butanediol; and mixtures thereof; and

IX. mixtures thereof;

with the exception of the following specific unsaturated compounds: 3,7-Octadiene-2,5-diol, 2,7-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 6-Heptene-1,4-diol, 4-methyl-; 4-Octene-3,6-diol; 4-Octene-3,6-diol; 3-Octene-1,2-diol; 3-Nonene-2,5-diol; 7-Nonene-4,5-diol; 7-Nonene-4,5-diol; 6-Nonene-2,3-diol; 6-Heptene-2,4-diol, 5-methyl-; 6-Octene-1,2-diol, 7-methyl-3-methylene-; 2,7-Octadiene-1,6-diol, 2,6-dimethyl-; 1,3-Propanediol, 2-(2-methylenepentyl)-; 3-Heptene-2,6-diol, 2,6-dimethyl-; 3-Heptene-2,6-diol, 2,6-dimethyl-; 5-Hexene-2,4-diol, 3,5-dimethyl-; 4-Hexene-1,2-diol, 2,5-dimethyl-; 4-Hexene-1,2-diol, 2,5-dimethyl-; 7-Octene-1,6-diol; 2-Hexene-1,4-diol, 2,5-dimethyl-; 2-Hexene-1,4-diol, 2,5-dimethyl-; 1,4-Hexanediol, 5-methyl-2-methylene-; 4-Octene-2,3-diol; Nonene-1,4-diol; 6-Heptene-1,4-diol, 4-methyl-; 6-Octene-3,5-diol, 4-methyl-; 2,6-Octadiene-1,8-diol, 2,6-dimethyl-; (8-Hydroxygeraniol); 1-Heptene-3,5-diol, 2,4-dimethyl-2,4-Hexanediol, 5-methyl-3-methylene-; 2,4-Hexanediol, 5-methyl-3-methylene-; 5-Hexene-2,4-diol, 3-ethenyl-2,5-dimethyl-; 5-Hexene-2,4-

diol, 3-ethenyl-2,5-dimethyl-; 6-Heptene-2,4-diol, 5-methyl-; 4,9-Decadiene-1,8-diol; 5-Hexene-1,3-diol, 2,4-dimethyl-; 7-Octene-1,3-diol, 2-methyl-; 5-Heptene-3-d,1,2-diol, 2,6-dimethyl-; 5-Heptene-3,4-1,2-diol, 2,6-dimethyl-; 4-Nonene-2,8-diol; 4-Nonene-2,8-diol; 5-Hexene-2,3-diol, 2,3-dimethyl-; 2-Butene-1,4-diol, 2-butyl-; 2,4-Hexadiene-1,6-diol, 3-(1,1-dimethylethenyl)-; 6-Octene-1,4-diol, 7-methyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 7-Octene-2,5-diol, 7-methyl-; 7-Octene-2,5-diol, 7-methyl-; 4-Hexene-1,3-diol, 2,4-dimethyl-; 4-Octene-2,7-diol; 4-Octene-2,7-diol; 3-Heptene-1,2-diol, 5-methyl-; 3-Heptene-1,2-diol, 5-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 8-Nonene-1,7-diol; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 5-Hexene-1,4-diol, 2,4-dimethyl-; 1-Heptene-3,4-diol, 6-methyl-; 3-Heptene-1,5-diol, 4,6-dimethyl-; 3-Octene-1,5-diol, 4-methyl-; 3,9-Decadiene-1,2-diol; 7-Octene-2,3-diol, 2-methyl-; 7-Octene-2,3-diol, 2-methyl-; 6-Nonene-2,3-diol, 2,5-Hexanediol, 3-methyl-4-methylene-; 6-Heptene-1,4-diol, 2-methyl-; 6-Octene-1,5-diol; 1-Octene-3,4-diol; 7-Octene-1,6-diol, 5-methyl-; 7-Octene-1,6-diol, 5-methyl-; 1,3-Butanediol, 2-methyl-2-(1-methylethenyl)-; 1,3-Pentanediol, 2-ethenyl-4,4-dimethyl-; 3,5-Octanediol, 4-methylene-; 3,5-Octanediol, 4-methylene-; 6-Heptene-2,3-diol, 2-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 6-Heptene-2,3-diol, 2-methyl-; 7-Octene-1,3-diol, 4-methyl-; 1,3-Butanediol, 2-methyl-2-(1-methyl-2-propenyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1-Nonene-3,4-diol; 5-Heptene-1,2-diol, 3-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 6-Heptene-1,3-diol, 2,2-dimethyl-; 4-Nonene-1,3-diol; 1,4-Pentanediol, 3-methyl-2-(2-propenyl)-; 1-Nonene-3,4-diol; 8-Nonene-1,2-diol; 3-Octene-1,2-diol; 1,9-Decadiene-4,6-diol; 1,9-Decadiene-4,6-diol; 5-Hexene-1,3-diol, 2,2-dimethyl-; 1,3-Propanediol, 2-(1-pentenyl)-; 1,3-Propanediol, 2-(3-methyl-1-butenyl)-; 1,3-Propanediol, 2-(3-methyl-1-butenyl)-; 8-Nonene-1,3-diol; 2,4-Octadiene-1,8-diol, 2,7-dimethyl-; 5-Heptene-1,2-diol, 6-methyl-; 3,9-Decadiene-1,2-diol; 3-Nonene-1,2-diol; 6-Nonene-1,2-diol; 4-Hexene-1,3-diol, 2,4-dimethyl-; 2,4-Octadiene-1,7-diol, 3,7-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 1,3-Butanediol, 2-methyl-2-(2-propenyl)-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 6-Heptene-1,5-diol, 6-methyl-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 1,5-Pentanediol, 2-(2-

propenyl); 5-Hexene-2,3-diol, 3,5-dimethyl-; 5-Hexene-2,3-diol, 3,5-dimethyl-; Nonenediol; Octenediol; 5-Hexene-1,3-diol, 3,5-dimethyl-; 4-Nonene-1,8-diol; 4-Nonene-1,7-diol; 4-Nonene-1,6-diol; 6-Nonene-1,4-diol; 2-Nonene-1,4-diol; 8-Nonene-2,5-diol; 5-Heptene-1,2-diol, 2-ethenyl-6-methyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 5-Heptene-2,3-diol, 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 1,3-Propanediol, 2-methyl-2-(3-methyl-3-butenyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 5,7-Octadiene-2,3-diol, 2,6-dimethyl-; 5,7-Octadiene-2,3-diol, 2,6-dimethyl-; 5-Hexene-1,2-diol, 2-ethyl-; 2,4-Nonadiene-4-d-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,6,7-d3-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,7-diol, 6-methyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 1,3-Butanediol, 3-methyl-2-(4-pentenylidene)-; 1,3-Butanediol, 3-methyl-2-(4-pentenylidene)-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Nonene-1,4-diol; 2-Nonene-1,4-diol; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 5-Octene-1,3-diol; 7-Octene-1,3-diol, 2-methyl-; 4-Heptene-1,3-diol, 2-methyl-; 4-Octene-2,3-d2-1,2-diol; 4-Octene-2,3-d2-1,2-diol; 5-Heptene-1,2-diol, 3-methyl-; 5-Octene-1,2-diol; 3,7-Octadiene-1,6-diol, 2,6-dimethyl-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 5-Heptene-1,3-diol, 2-methyl-; 5-Heptene-1,3-diol, 2-methyl-; 3-Hexene-1,6-diol, 3,4-dimethyl-; 3-Hexene-1,6-diol, 3,4-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2-Heptene-1,5-diol, 6-methyl-; 2-Heptene-1,5-diol, 6-methyl-; 8,9-Decadiene-3,5-diol; 8,9-Decadiene-3,5-diol; 4,6-Nonadiene-1,3-diol, 8-methyl-; 3,5-Nonadiene-1,7-diol, 8-methyl-; 5-Heptene-1,3-diol, 2,4-dimethyl-; 2-Nonene-1,9-diol; 2-Nonene-1,9-diol; 1,3-Butanediol, 2-ethyl-2-(2-propenyl)-; 3-Heptene-1,5-diol, 6-methyl-; 1,3-Pentanediol, 2-ethenyl-4-methyl-; 1,3-Pentanediol, 2-ethenyl-4-methyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 2,3,4-trimethyl-; 4-Pentene-1,2-diol, 2,3,3-trimethyl-; 1,3-Propanediol, 2-(2-methyl-2-propenyl)-2-(2-propenyl)-; 1,3-Propanediol, 2-(2-butenyl)-2-(2-propenyl)-; 5-Hexene-1,2-diol, 2-ethyl-; 1,4-Butanediol, 2-(4-methyl-3-pentenylidene)-; 6-Heptene-1,3-diol, 2-methyl-; 2,6-Octadiene-1,8-diol-2-13C, 2,6-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-

Nonene-3,4-diol; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 7-Octene-1,2-diol, 2-methyl-; 1-Nonene-3,5-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl-; 7-Octene-1,2-diol; 7-Octene-1,2-diol; 2,5-Octadiene-1,7-diol, 3,7-dimethyl-; 1,3-Propanediol, 2-(2,2-dimethylpropylidene)-; 6-Octene-1,2-diol, 7-methyl-3-methylene-; 2,8-Decadiene-1,10-diol; 6-Octene-1,5-diol, 7-methyl-; 1,3-Butanediol, 2-(1-ethyl-1-propenyl)-; 4-Hexene-1,2-diol, 4-ethyl-3-methyl-; 8-Nonene-1,3-diol; 1,4-Butanediol, 2-(3-methyl-2-butenyl)-3-methylene-; 2,6-Heptadiene-1,4-diol, 2,5,5-trimethyl-; 2,6-Heptadiene-1,4-diol, 2,5,5-trimethyl-; 8-Nonene-2,4-diol; 2,6-Heptanediol, 4-methylene-; 3-Hexene-3,4-diol, 2,5-dimethyl-; 4-Octene-4,5-diol; 5-Hexene-1,2-diol, 2,3-dimethyl-; 3-Hexene-1,6-diol, 2-ethenyl-2,5-dimethyl-; 3-Hexene-1,5-diol, 2,4-dimethyl-; 3-Hexene-1,5-diol, 2,4-dimethyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 3,6-Octadiene-1,2-diol, 3,7-dimethyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 2,5-Octadiene-1,7-diol, 3,7-dimethyl-; 6-Octene-1,3-diol, 7-methyl-; Decadienediol; 6-Heptene-1,2-diol, 2,3-dimethyl-; 4-Hexene-1,3-diol, 3,5-dimethyl-; 4-Pentene-1,3-diol, 2-(1,1-dimethylethyl)-; 4-Pentene-1,3-diol, 2-(1,1-dimethylethyl)-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1,3-Hexanediol, 5-methyl-4-methylene-; 4-Octene-1,2-diol; 2,3-Heptanediol, 3-ethenyl-; 2,3-Heptanediol, 3-ethenyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 2,6-Octadiene-1,4,8-diol, 3,7-dimethyl-; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 1,3-Octanediol, 2-methylene-; 8-Nonene-1,3-diol; 5-Heptene-1,4-diol, 3,6-dimethyl-; 5-Heptene-1,4-diol, 2,6-dimethyl-; 4-Octene-2,3-diol; 4-Octene-2,3-diol; 5,7-Octadiene-1,4-diol, 2,7-dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 2-Heptene-1,5-diol, 5-ethyl-; 2-Heptene-1,5-diol, 5-ethyl-; 1,3-Pentanediol, 2-ethenyl-3-ethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 8-Nonene-3,4-diol; 8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 4,5-dimethyl-; 5-Hexene-1,3-diol, 4,5-dimethyl-; 4,6-Octadiene-2,3-diol, 3,7-dimethyl-; 1,3-Butanediol, 2,2-diallyl-; 1,9-Decadiene-3,8-diol; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; 2,8-Decadiene-5,6-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl- (8-Hydroxylinalool); 6-Heptene-1,2-diol, 2-methyl-; 5-Hexene-1,3-diol, 2,3-dimethyl-; 2,6-Octadiene-1,8-diol, 6-methyl-2-(methyl-13C)-; 1,3-Propanediol, 2-(5-hexenyl)-; 8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 3-

ethyl-; 7-Octene-3,4-diol; 6-Heptene-1,2-diol, 2-methyl-; 6-Heptene-2,4-diol, 4-(2-propenyl)-; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 8-Nonene-3,4-diol; 6-Heptene-2,3-diol, 6-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 4,6-Octadiene-2,3-diol, 2,6-dimethyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 7-Octene-2,3-diol, 6-methyl-; 4,6-Octadiene-2,3-diol, 2,6-dimethyl-; 1,4-Heptanediol, 6-methyl-5-methylene-; 2-Butene-1,4-diol, 2-(4-methyl-3-pentenyl)-; 4-Octene-1,2-diol; 4-Octene-1,2-diol; 7-Octene-2,4-diol; 6-Heptene-2,4-diol, 3-methyl-; 6-Heptene-2,4-diol, 3-methyl-; 3-Heptene-2,5-diol, 2,4-dimethyl-; 1,3-Butanediol, 2-(3-methyl-2-butenyl)-; 7-Octene-3,5-diol, 2-methyl-; 7-Octene-3,5-diol, 2-methyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 1,3-Propanediol, 2-methyl-2-(2-methylallyl)-; 2-Heptene-1,6-diol, 6-methyl-; 1,3-Butanediol, 2-allyl-3-methyl-; 2-Nonene-1,4-diol; 5-Hexene-2,3-diol, 4-ethenyl-2,5-dimethyl-; 5-Hexene-2,3-diol, 4-ethenyl-2,5-dimethyl-; 2-Nonene-1,4-diol; 5-Heptene-1,3-diol, 3,6-dimethyl-; 1,5-Hexanediol, 2-(1-methylethenyl)-; and 1,3-Propanediol, 2-(1-pentenyl)-; and

- D. mixtures of the above compounds; and
 E. mixtures of 8-carbon-diol isomers consisting essentially of: 2,2,4-trimethyl-1,3-pentanediol; 2-ethyl-1,3-hexanediol; 2,2-dimethyl-1,3-hexanediol; 2-ethyl-4-methyl-1,3-pentanediol; 2-ethyl-3-methyl-1,3-pentanediol; 3,5-octanediol; 2,2-dimethyl-2,4-hexanediol; 2-methyl-3,5-heptanediol; and/or 3-methyl-3,5-heptanediol, any individual 1,3-diol being less than about 90% of any mixture.

125. (Amended) The principal solvent of Claim 124, that is a compound selected from the group consisting of: 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; 1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,2,3-trimethyl-; 1,5-pentanediol, 2,3,3-trimethyl-; 1,3-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-methyl-; 1,4-

pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 4-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 5-methyl-; 2,4-heptanediol, 5-methyl-; 2,5-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 2,6-octanediol, 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; 2,5-hexanediol, 3,3,5-trimethyl-; 1,2-propanediol, 3-(butyloxy)-, triethoxylated; 1,2-propanediol, 3-(butyloxy)-, tetraethoxylated; 1,2-propanediol, 3-(2-pentyloxy)-; 1,2-propanediol, 3-(2-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1-butyloxy)-; 1,2-propanediol, 3-(iso-amyl-oxy)-; 1,2-propanediol, 3-(3-methyl-2-butyloxy)-; 1,2-propanediol, 3-(cyclohexyloxy)-; 1,2-propanediol, 3-(1-cyclohex-1-enyloxy)-; 1,3-propanediol, 2-(pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol, 2-(3-pentyloxy)-; 1,3-propanediol, 2-(2-methyl-1-butyloxy)-; 1,3-propanediol, 2-(iso-amyl-oxy)-; 1,3-propanediol, 2-(3-methyl-2-butyloxy)-; 1,3-propanediol, 2-(cyclohexyloxy)-; 1,3-propanediol, 2-(1-cyclohex-1-enyloxy)-; 1,2-propanediol, 3-(butyloxy)-, pentaethoxylated; 1,2-propanediol, 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-, heptaethoxylated; 1,2-propanediol, 3-(butyloxy)-, octaethoxylated; 1,2-propanediol, 3-(butyloxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2-propanediol, 3-(butyloxy)-, tributyleneoxylated.